ZANZIBAR PROTECTORATE.

REPORT ON THE DEPARTMENT OF AGRICULTURE

FOR THE YEAR

1914.

ZANZIBAR:
PRINTED BY THE GOVERNMENT PRINTER.
1915.

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ZANZIBAR PROTECTORATE.

REPORT ON THE DEPARTMENT OF AGRICULTURE FOR THE YEAR 1914.

SECTION 1.—GENERAL.

Par. 1.—My Report for the year 1913 included particulars of the seasonal clove-crop for 1913/14, that is up to the 30th June, 1914.

Similarly this Report will include the figures for the season 1914/15 up to the 30th June, 1915, the date which is regarded for purpose of calculation as the close of the current clove-season.

Par. 2.—Cloves and copra being the principal agricultural products, the war has had a considerable effect on the agricultural industry, especially in the early months, when freights were scarce.

As regards copra, the adverse effect has been intensified owing to freights being in the hands of the principal copra exporters who were therefore able to control the price with the result that the rise and fall in local prices was not in agreement with that in Europe.

Table 9 illustrates this.

The war had also an adverse effect on the clove-harvest, as the labourers from the Wahadimu villages on whom we rely for the harvest work—naturally a timid class—could with difficulty be got out of their villages.

A proportion of the Zanzibar crop was lost on this account.

Par. 3.—The general position of the plantation-owners has not improved since my last Report: and in Pemba especially their plantations continue to deteriorate.

One example of a plantation mortgaged to the Government in 1907 exemplifies this. With 4,000 trees and valued at Rs. 24,000 in 1907, it now contains less than half that number of trees: and the highest offer obtainable now is Rs. 6,000.

I would add that this plantation in a few years' time will cease to exist, as the mortality amongst the trees is rapidly spreading: and the buyer looks to recoup himself only for the clove-crop of the next few years.

No effort will be made by the owner to reclaim or to again cultivate this plantation.

In my 1912 Report I submitted suggestions for coping with the present condition of our land-owning class, and I again beg to emphasize the points which seem to me of most importance:—

1. The adoption of the principle of the economic holding now recognised as a prime necessity of agricultural prosperity in all countries.

2. The establishment of an Experimental Station which shall also provide practical training in Agriculture to such youths as show an aptitude for agricultural work.

I attach great importance to the necessity of youths qualifying themselves for proceeding to Poona by a course of practical instruction on a Government plantation which would include demonstration work on the farm itself by the staff of this Department.

This is especially necessary here, where the young men's thoughts centre on town life and their aspirations tend no further than a clerkship in the central offices.

3. Prevention of the alienation of land by some such legislation as that in force in parts of India, where conditions are similar to those prevailing here.

4. An extension of the Vagrancy Decree to meet the condition dealt with in paragraph 4 of this Report.

5. Additional protection to the agricultural industry against the losses caused by fires.

I do not refer to the losses of the individual owners: but to that incurred by the Protectorate Government when blocks of young and old plantations are being continually destroyed.

6. Co-operation, the difficulties of which are of course immense, but not, I suppose, more insuperable than in other countries similarly circumstanced where they have been overcome.

Par. 4.—The labour-supply is a never-ceasing anxiety to the plantation-owner; and is a question that does not grow less acute.

The cultivation of the land is almost entirely dependent on strangers, mainland tribesmen, that sometimes settle and are sometimes itinerant only.

The cost of cultivation tends to rise.

On the Government plantations it has since 1910 risen from Rs. 6½ to 7½ per acre: and the Government owing to its regular system of payment can obtain labour at a cheaper rate than other land-owners.

Much yet remains to be done in organising the clove-harvest labour.

In this last season the Government and Arabs alike lost at least one third of their early clove-crop: and in Pemba heavy losses were incurred through the natives demanding such a price as, if paid, would have resulted in a loss to the clove-grower, and returning to their villages when their demands were not met.

The conditions to be met are not those of a country where the labouring class is too small to cope with the demand: but those of a large native population which does not have to work to live.

For in the town of Zanzibar alone are several thousand men who are practically vagrants, that is they live on the proceeds of predial larceny from the plantations surrounding the town and on the earnings of the women with whom for the time they co-habit.

In the country districts again, I refer to those parts in both islands outside the old Arab-owned agricultural area, most of the male population, excepting those engaged regularly in the fishing industry, need do nothing, as their food crops are cultivated by their women.

Par. 5.—The Decrees with which the agricultural industry is especially concerned are:—

1. The Plantation Preservation Decree.—When a staff of inspectors and sub-inspectors is appointed, this Decree will be able to be enforced: and should prove of very great benefit to the plantations.

It deals amongst other things with coconut plantations and the damage to them by the coconut beetle.

So far as its funds will allow, the Department has been dealing with this matter on its own coconut plantations: but in 1914, the work had to be stopped as all the money was required for cultivation.

But with the appointment of a staff, it will be able to recommence the work in 1916: and as the Government itself must for some time to come do all that on private plantations also, there will be considerable scope for the energies of the new inspectors.

It will not be difficult to control the Government and the private plantations: as the former are situated in well defined coconut districts with the private plantations in proximity.

2. The Agricultural Produce Decree.—The amendment of this is under consideration.

3. The Breach of Contract Act.—The use of contracts is on the increase: but plantation-owners, especially in Pemba where means of transit are few: and a journey to a Magistrate and back often a matter of 2 days, find that the labour entailed in taking out a summons is such as to make it impossible to proceed against defaulters: even though they may see them at work on an adjoining plantation

They have therefore asked that Breach of contract may be a cognizable offence.

SECTION 2.

Par. 1. Cloves—The chief feature was the heavy late harvest in the northern districts of Pemba which resulted in the estimate made before this crop had budded being considerably exceeded.

The northern plantations of Pemba have in other years also shown a marked difference in the size of the crop as compared with those of the other districts.

Owing to circumstances mentioned earlier in this Report, the Zanzibar plantation-owners required all the available Zanzibar labour for their crops: and free passes by Government steamers were not therefore issued to Pemba or any encouragement given to Wahadimu to proceed to Pemba.

A certain number went by dhow.

The southern and central districts of Pemba were fairly satisfactorily dealt with by the Wapemba labour: as the villages in these districts are more ready to contribute to clove-harvest requirements than the northern villages.

In the later part of the season when a heavy crop had to be dealt with in the North, considerable loss was suffered owing to the exorbitant demands of the Wapemba and the lack of control of their Masheha.

Notwithstanding these difficulties the Government benefited by an exceptionally heavy crop: and the plantation-owners also benefited proportionately.

The northern plantations, however, suffering as they have done from a number of lean years, show their want of funds for cultivation by their condition.

The following Tables dealing with the clove-industry are given in the Appendix.

Table 1. Course of deliveries as compared with former years from 1904/05.

Table 2. Average price of cloves and stems from 1907.

Table 3. Proportion between the seasonal yields of cloves and stems from 1904/05.

Table 4. Export of cloves to different continents from 1910.

Table 5. District seasonal yields in Pemba (including also copra and oil-palm) from 1907/08.

Par. 2. Labour Extraordinary.—Owing to the outbreak of war and the consequent postponement of various matters at the time under consideration, the provision of a grant for this work was delayed until the end of November.

A small sum was granted, but the harvest being then nearly over, any preliminary organization of labour was out of the question and the money granted was only partly spent.

Par. 3. Copra.—Table 7. Exports from Pemba shipping places from 1913.

The copra industry has been affected by the war to a greater extent than that of the cloves.

The reasons are given in the early part of this Report.

The quality of Zanzibar copra shows no improvement: and for the purposes of price comparison—it not being quoted separately in the market list—may be taken as equal to "South Sea Islands".

The question of the improvement of the quality has received the attention of the Government since 1910: but it is unlikely that until drying machinery is introduced any improvement will be effected: for the climate is such, that even with perfect drying weather, or with the introduction of the tray and trolley system of sun-drying, the article cannot be so quickly dried that the formation of mould cannot take place.

To effect any great improvement in the price obtainable for Zanzibar copra, an article must be turned out that will produce an edible fat.

A slight improvement only is not, I believe, likely to effect the price, as the copra will in that case continue to be taken only by the present class of buyer.

The following tables in the Appendix give particulars of the copra business for 1914:—

Table 8. Exports of copra (produced in the Protectorate for the past 10 years, and average price per frasila of 35 lbs.)

Table 9. Comparison of monthly price of Zanzibar copra in Zanzibar with

"South Sea Islands" copra in London.

Table 10. Value of exports of coconut oil and sim-sim oil from 1904.

Table 7 gives particulars of Pemba copra.

It may be noted here that the war has stopped the imports of sim-sim from German East Africa: and this has affected the exports of sim-sim oil.

Par. 4. Sundry Agricultural Produce.—Table 11 gives the exports of chillies and gum-copal, all of which are of minor importance: the two last exhibiting a continuous decrease concurrent with the natives' ability to earn money by means easier than that involved in their cultivation and collection.

Table 12 gives a statement of the imports of agricultural produce and stock since 1904.

SECTION 3.

Meteorology.

Tables 13, 14, 15 and 16 give particulars of the Meteorological Returns from the Town Station which is under the control of Dr. Copland on behalf of the Indian Meteorological Department, from the Banani Station in Pemba the Returns of which are provided by the Friends' Industrial Mission and by the respective District Stations and the Port Office Observer at Kigomache light-house in the North of Pemba.

SECTION 4.

Government Plantations.

Par. 1. Sales and Purchases.—In accordance with my memorandum on the consolidation of our properties various small plantations have been bought and sold.

Table 17 gives particulars of these.

Par. 2. Cultivation.—Owing to the reduction of the estimates under this head, further cultivation on some of the young plantations had to cease: and those at Kitope, Kinaoni, and Mlango Kubwa have been abandoned.

The risk of fire on the young plantations more readily accessible to supervision is so great that anything less than the two clean-weedings now permissible would have exposed them to the risk of destruction: hence to meet the reduction in the estimates, it was considered advisable to stop the work on the out-lying young plantations rather than reduce the necessary expenditure on the others.

The following tables in the Appendix give the history of the plantations for 1914.

Table 18. Revenue and Expenditure for 1914.
Table 19. Receipts and Expenditure on Government plantations.
Table 20. Expenditure on Cultivation for the past 12 years.
Table 21. Clove-yields from principal plantations from 1907 to 1915.
Table 22. Seasonal total crops from Government plantations as compared with total yield from all plantations.
Table 23. Rents from licenced coconut plantations.
Table 24. Rents from leased plantations.
Table 25. Fires on Government plantations.
Table 26. Public Gardens.

F. C. McCLELLAN,
Director of Agriculture.

Zanzibar, 20th September, 1915.

Table 1.

Course of harvest and deliveries compared with former years.

Months.	1904/05 Zanzibar * fras.	1904/05 Pemba fras.	1904/05 Total fras.	1905/06 Zanzibar fras.	1905/06 Pemba fras.	1905/06 Total fras.	1906/07 Zanzibar fras.	1906/07 Pemba fras.	1906/07 Total fras.	1907/08 Zanzibar fras.	1907/08 Pemba fras.	1907/08 Total fras.	1908/09 Zanzibar fras.	1908/09 Pemba fras.	1908/09 Total fras.
July ..	4541	73	4614	3082	21555	24637	6178	856	7034	13416	10540	23956	5102	15043	20143
August ..	7238	13093	20331	2241	19010	21251	4015	4058	8073	40292	73950	114242	5934	15222	21156
September ..	6142	71219	77361	1625	14290	15915	4539	36824	41363	45812	124007	169819	7534	15929	23463
October ..	4466	114307	118773	7720	10581	18301	7381	54575	61966	33185	114975	148160	15182	20384	53566
November ..	5678	10793	86471	11679	12355	24930	19243	51618	70861	21904	55261	77165	31012	45898	76910
December ..	6436	95689	102125	18284	17175	35459	14032	26516	40548	15975	38818	54793	34003	63029	97032
January ..	9193	91023	100216	48125	21765	69890	4379	15225	19604	10101	30365	40466	34944	100499	135443
February ..	13644	51051	64705	28884	4738	33622	1367	5427	6794	7407	22684	30091	13270	81934	95204
March ..	9951	51432	61383	17023	2720	19743	1232	5580	6812	7557	27944	35501	5352	38924	44276
April ..	4793	30041	34834	9762	1758	11520	400	1027	1427	6477	16214	22691	3438	21044	24482
May ..	4786	27473	32258	10789	1817	12606	109	1302	1411	6145	17754	23899	2987	11654	14641
June ..	4435	28014	32449	19221	1971	21192	129	488	617	5391	9481	14872	6969	20131	27001
Total ..	81213	584208	665521	178435	130635	309070	63004	203496	266500	213662	541993	755655	165727	449691	615418

Months.	1909/10 Zanzibar fras.	1909/10 Pemba fras.	1909/10 Total fras.	1910/11 Zanzibar fras.	1910/11 Pemba fras.	1910/11 Total fras.	1911/12 Zanzibar fras.	1911/12 Pemba fras.	1911/12 Total fras.	1912/13 Zanzibar fras.	1912/13 Pemba fras.	1912/13 Total fras.	1913/14 Zanzibar fras.	1913/14 Pemba fras.	1913/14 Total fras.	1914/15 Zanzibar fras.	1914/15 Pemba fras.	1914/15 Total fras.
July ..	3458	10222	13680	1519	3113	4632	623	1527	2150	1567	4466	6023	31445	1634	33079	8193	16044	24237
August ..	960	4876	5836	1054	6334	7388	9218	12642	21890	771	6926	7697	22930	42571	65501	8276	9178	17454
September ..	2133	14847	16980	2292	25018	27312	17906	64671	82577	2834	24252	27086	9203	111086	120289	7303	27005	34308
October ..	3073	32952	36025	3869	18290	22159	17482	130651	148133	5549	20754	26303	11009	160353	171362	12093	39765	51858
November ..	7728	38416	46144	5992	16601	22593	19024	134417	153441	3048	13719	16768	15511	100476	115987	11533	31144	42667
December ..	17906	59509	77415	4661	12844	17505	17357	74940	92297	2338	5348	7687	13797	52311	66108	22622	31810	54432
January ..	34652	62106	96758	7904	19534	29238	54928	60448	115376	3900	18425	22326	14941	50636	65577	50421	51247	101668
February ..	24373	36043	60416	15986	18204	34190	31081	35580	66661	1091	4317	5409	9743	39089	48832	32996	48397	81393
March ..	9196	12558	21764	4441	8167	12608	21616	22277	43893	1002	3288	4290	6820	33066	39886	20192	38447	58639
April ..	3600	9130	12730	960	2581	3541	16398	19473	35871	172	2185	2357	4135	17885	22020	12276	17632	29908
May ..	1665	11460	13125	368	5282	5650	9715	13737	23452	139	330	469	4257	20617	24874	6132	9398	15540
June ..	934	7928	8862	1148	3339	4487	1129	11790	12920	8607	358	8965	1795	8370	10165	2883	11322	14205
Total ..	109678	300047	409725	50196	193307	189503	216507	582153	798660	31018	104368	135386	145586	638094	783680	194920	331389	526309

* One frasla equal to 35 lbs.

Table 2.

Average price of Cloves and Stems.

	1907	1908	1909	1910	1911	1912	1913	1914	*1915
	Rs. as. ps.	Rs. as. ps.	Rs. as. ps.	Rs. as. ps.	Rs. as. ps.	Rs. as. ps.	Rs. as. ps.	Rs. as. ps.	Rs. as. ps.
Zanzibar Cloves	10 3 6	9 2 0	8 8 9	11 4 3	12 5 3	14 5 0	14 5 3	10 6 6	9 6 6
Pemba ,,	9 9 0	8 8 0	8 3 6	10 15 3	10 3 6	13 8 3	14 5 3	9 14 9	9 1 0
Stems	2 6 0	2 6 0	2 0 9	3 0 0	3 0 0	3 14 9	4 5 9	2 8 3	1 7 3

* To the 30th June, 1915.

Table 3.

Proportions between the seasonal yields of cloves and stems.

Season	Cloves fras.	Stems fras.	% of stems to cloves.
1904/05	635568	124242	19½
1905/06	308950	78248	25
1906/07	266512	48307	18
1907/08	755634	153562	20
1908/09	614630	121156	19½
1909/10	409925	84547	25
1910/11	192407	38320	20
1911/12	798663	161187	20
1912/13	135391	28389	21
1913/14	783680	145932	18½
1914/15	526309	64179	12

Table 4.

Export of Cloves to different Continents from 1910* to 1914 inclusive.
(in pounds weight.)

Continent	1910	1911	1912	1913	1914
Europe ...	4800676	7844338	6067460	8789644	5707601
America ...	1096215	3510877	2576520	1975518	3499917
Asia ...	6758239	8706247	6539807	6772530	7657767
Africa ...	128019	199921	68157	275047	105123
Total ...	12783149	20261383	15251944	17812739	16970408

* Figures for provious years are given in my 1910 Annual Report-

Table 5.

District Seasonal Yields in Pemba from 1907-08 to 1913-14.

	Cloves			Copra			Oil-palm		
	Clove season: 1st July to 30th June			1st January to 31st December			1st January to 31st December		
	Weti fras.	Ch-Chake fras.	Mkoani fras.	Weti fras.	Ch-Chake fras.	Mkoani fras.	Weti fras.	Ch-Chake fras.	Mkoani fras.
1907/08	204739	No record	47333	76627	29668	20248	No record	22	193
1908/09	185915	,, ,,	81284	67445	51199	39425	1343	254	597
1909/10	118277	,, ,,	124589	60552	45575	31834	744	188	110
1910/11	42450	31116	46765	81545	35160	23333	2362	124	1154
1911/12	229722	128908	220476	79728	38720	38216	778	65	589
1912/13	18873	29173	52543	76644	38762	94373	2505	30	642
1913/14	169791	190600	301706	105155	48805	30195	893	32	352

Table 6.

Return of Free Passes issued to Clove-pickers going to Pemba by Government Steamers.

Year	Town	Mkokotoni	Total
1907	...	...	3694
1908	...	...	3393
1909	...	...	5495
1910	...	...	806
1911	4164	3788	7952
1912	177	63	240
1913	7083	4237	11320
1914	720	73	793

Table 6 *a*.

Advances to Arab land-owners for clove-picking during 1914.

District	Number of people	Amount Rs.
Weti	272	20260
Chake-Chake	131	5900
Mkoani	96	3637

Table 7.

Exports from Pemba Shipping Places, 1913 & 1914.

Name	Port District	Cloves 1913 fras.	Cloves 1913 District Total	Cloves 1914 fras.	Cloves 1914 District Total	Copra 1913 fras.	Copra 1913 District Total	Copra 1914 fras.	Copra 1914 District Total	Rubber 1913 fras.	Rubber 1914 fras.
Weti	Weti	91596		88433		23591		50156		1832	81
Mtambwe	,,	22159		13786		5776		6418		...	...
Junguni	,,	5121		5721		11143		13854		...	...
Mtangatwani	,,	3231		8666		12934		11734		...	...
Msuka	,,	1311	123418	6594	124200	8175	61619	22993	105155	...	...
Chake-Chake	Chake-Chake	145521		85779		28185		41269		7	12 (lbs.
Kiswani*	,,	56050	201571	23550	109329	4921	33106	7536	48805	...	...
Jamagombe	Mkoani	92515		15043		5081		5868		...	...
Mkoani	,,	40059		13988		9506		8729		...	...
Fufuni	,,	40215		10947		3750		6450		...	...
Kengeja	,,	38992	211781	21826	91804	4036	22373	9148	30195	...	...

* Kiswani is in Chake-Chake district: but its exports and imports pass through the Mkoani Port Office on account of Chake-Chake creek.

Table 8.

Exports of copra and palm-kernel (produced in the Protectorate) for past 10 years, and average price per frasila of 35 lbs.

Year	lbs.	Average price per frasila of 35 lbs. Rs.	cts.
1905	17003727	2	75
1906	17279081	3	24
1907	13283420	3	76
1908	18419409	2	70
1909	13449082	3	26
1910	16899201	4	14
1911	18167835	4	00
1912	16672812	4	19
1913	16604611	4	85
1914	18983047	3	87

Table 9.

Showing average prices of copra in Zanzibar as compared with prices in London of "South Sea Island" copra and "Malabar" copra.

Month	Malabar Price per ton £	s.	d.	Malabar Rise or fall % on price in January 1914	South Sea Island Price per ton £	s.	d.	South Sea Island Rise or fall % on price in January 1914	Zanzibar Price per frasila of 35 lbs. Rs.	cts.	Zanzibar Rise or fall % on price in January 1914
January/1914	31	12	6		28	15	0		4	54	
March	30	10	0	-3·5	28	12	6	-0·3	3	84	-15·5
May	27	15	10	-12·2	25	15	0	-10·0	4	10	-9·9
July	25	7	6	-19·7	23	10	0	-18·2	3	87	-14·7
November	23	10	0	-24·1	21	15	0	-24·5	3	08	-32·1
December	25	10	0	-19·3	25	0	0	-13·0	3	68	-18·9
February/1915	26	0	0	-17·7	24	0	0	-16·5	3	22	-29·0
March	28	5	0	-10·6	26	0	0	-9·5	3	34	-26·4
April	28	15	0	-9·0	26	10	0	-7·8	3	28	-27·7
May	27	10	0	-13·0	25	0	0	-13·0	2	92	-35·6

Table 10.

Export of Coconut and Sim-Sim oil from 1904 to 1914 inclusive.

Year	Value Rs.
1904	49492
1905	61543
1906	46860
1907	67423
1908	10280
1909	32662
1910	30902
1911	54673
1912	49159
1913	35918
1914	23551

Table 11.

Export of Chillies and Gum-copal for the past 10 years.

Year	Chillies lbs.	Gum-copal lbs.
1905	183630	227704
1906	239051	256435
1907	86060	223305
1908	38404	262184
1909	94929	263204
1910	155788	216671
1911	92625	169261
1912	104720	215632
1913	76513	I64159
1914	101183	98035

The Gum-Copal exported from Zanzibar now is of outside origin: and comes principally from German East Africa.

Table 12.

Statement of Imports (not re-exported) of Agricultural Produce and Stock for the past 10 years.

Article.	1904 Rs.	1905 Rs.	1906 Rs.	1907 Rs.	1908 Rs.	1909 Rs.	1910 Rs.	1911 Rs.	1912 Rs.	1913 Rs.	1914 Rs.
Rice ..	1158618	1700374	1733193	2159321	4319449	3440142	2845509	3493959	4072084	3764600	2049415
Maize ..	10364	27032	26850	38566	42091	34784	21260	25684	33010	32733	26457
Sugar ..	278498	270750	284482	425774	461636	569453	515962	549276	622302	635259	443568
Timber ..	26984	102336	127684	96480	124759	111255	53462	112821	125862	139221	90247
Cattle ..	148971	145568	146130	155429	175809	191067	159665	199257	221387	177016	100695
Sheep and Goats ..	144027	131844	104665	122562	168428	149333	146022	163152	188694	122008	102289
Horses ..	12395	7175	..	5135	6345	600	200	3447	2200	500	4855
Donkeys ..	21928	7431	7932	17224	14245	9605	8022	11514	14002	15416	..
Tobacco ..	75560	102180	97137	152808	127927	89576	136857	112802	160461	207205	109829

Table 13.

Meteorological Observations, Town Station, 1914.

Month	Air Temperature							Rain-fall			
	Means of		Absolute Max. & Min.				Relative				
	Max.	Min.	Max.	Date	Min.	Date	Humidity	Total	Max.	Date	No. of rainy days
January ...	86·6	79·7	89·7	16th	77·1	3rd	78·6	2·84	0·63	8th	11
February ...	89·1	80·7	91·0	28th	78·9	14th	74·5	0·05	0·05	16th	1
March ...	87·8	79·2	90·9	17th	73·1	5th	79·2	8·56	1·92	9th	14
April ...	88·4	79·5	91·5	11th	72·8	28th	79·7	12·69	5·54	28th	18
May ...	85·1	76·8	87·7	12th	73·1	24th	80·9	3·84	1.37	5th	12
June ...	84·4	76·0	86·7	18th	74·9	19th	80·2	0·97	0·31	28th	7
July ...	83·7	74·1	85·0	9th	72·4	26th	77·9	0·22	0·14	29th	3
August ...	83·5	73·9	86·2	3rd	71·2	6th	79·4	3·65	0·84	5th	14
September ...	85·3	74·7	88·3	22nd	72·5	2nd	76·7	1·04	0·57	1st	8
October ...	86·5	76·5	90·0	21st	73·9	17th	76·9	0·89	0·32	4th	6
November ...	87·1	78·6	91·0	10th	75·9	25th	77·7	4·32	0·47	5th	15
December ...	87·7	80·2	89·8	25th	77·5	2nd	74·4	3·87	0·96	2nd	14
Total ...								42·94			123

Table 14.

Meteorological Observations, Banani, Pemba, 1914.

Month	Air Temperature				Rain-fall.			
	Means of		Absolute	Absolute				
	Max.	Min.	Max.	Min.	Total	Max.	Date	No. of rainy days
January ...	86·0	69·0	82·0	72·0	6·09	1·21	4th	16
February ...	85·0	71·0	88·0	70·0	2·58	1·03	13th	3
March ...	86·0	73·0	90·0	71·0	5·61	2·00	18th	12
April ...	85·0	72·7	90·0	68·0	9·66	3·37	27th	18
May ...	80·0	70·4	83·0	64·0	7·11	0·90	7th	26
June ...	80·0	69·9	82·9	68·0	2·04	0·76	15th	15
July ...	77·1	67·4	80·0	63·0	5·06	1·03	13th	19
August ...	80·0	68·2	82·0	63·5	2·50	1·36	4th	10
September ...	80·4	68·5	84·0	63·0	1·74	0·44	24th	15
October ...	82·4	69·2	84·0	69·0	0·64	0·17	4th	7
November ...	85·4	72·8	86·0	67·0	4·65	1·10	29th	17
December ...	81·0	72·0	86.0	70·0	5·54	1·62	17th	16
Total ...					53·22			174

Table 15.

Rain-fall Returns at District Stations, 1914.

Month	Weti				Kigomache				Mkokotoni				Chuaka			
	Total	Max.	Date	No. of rainy days	Total	Max.	Date	No. of rainy days	Total	Max.	Date	No. of rainy days	Total	Max.	Date	No. of rainy days
January ..	3·46	1·32	4th	12	2·50	0·95	5th	6	2·09	0·41	5th	10	3·36	1·46	1st	12
February ..	1·45	1·11	14th	2	0·00	0·00	..	..	0·38	0·30	15th	3	1·12	1·12	13th	1
March ..	9·00	1·64	18th	15	5·16	1·00	30th	15	11·82	3·47	29th	18	7·71	1·60	5th	14
April ..	6·32	1·88	28th	14	7·83	2·91	27th	13	15·58	7·03	27th	14	11·85	5·55	28th	13
May ..	10·44	2·09	8th	25	11·90	1·30	8th	18	6·26	1·50	7th	16	6·76	1·31	24th	16
June ..	2·52	0·56	7th	16	3·37	1·08	6th	6	1·40	0·52	29th	5	0·97	0·70	23rd	3
July ..	5·57	1·09	12th	21	5·12	0·67	7th	12	1·09	0 50	13th	10	2·81	0·58	13th	12
August ..	1·73	0·51	6th	12	2·54	0·72	13th	9	6·66	2·05	10th	16	3·04	1·05	4th	9
September ..	0·88	0·30	21st	21	3·86	0·78	24th	9	3·50	0·91	24th	13	0·64	0·25	7th	4
October ..	4·91	1·56	28th	21	12·04	3·26	29th	12	2·92	0·73	29th	9	0·23	0·23	30th	1
November ..	9·61	3·43	22nd	17	7·74	1·95	12th	14	6·30	1·30	28th	10	2·58	1·25	24th	4
December ..	2·90	0·67	17th	17	1·28	0·70	19th	5	4·99	1 60	1st	7	0·43	0·23	6th	2
Total ..	58·79			193	63·34			119				131	41·50			91

Table 16.

Average Mean Temperature, Zanzibar.

Year.	Maximum	Minimum.
1909	84·9	75·9
1910	84·4	76·4
1911	84·3	76·3
1912	85·2	76·6
1913	84·9	76·4
1914	86·2	77·5
	* 85·0	* 76·5

* Average for 6 years 1909-1914.

Table 17.

Statement showing properties purchased and sold.

SALES

Zanzibar

Shamba	Amount Rs.
Miwaleni	2,710
Kidote	8,000
Kinuni (Welezo)	988
Donge Proper	16,600
Mwanda (Donge)	1,200
Msalani ,,	550
Bondeni ,,	300
Mtuba ,,	55
Mwanakwerekwe	8,150
Kikangoni Mkubwa	1,000
Miwani Ndogo	900
Total	40,453

SALES

Pemba

Shamba	Amount Rs.
Ugoe	3,000
Mchangani Pujini	300
Ngezi Verani	175
Gando Proper	1,100
Gando Vikutani	850
Ngezi Mtemani	330
Gando Kiungani	475
Konde	500
Total	6,730

Grand Total Rs. 47,183

PURCHASES

Shamba	Amount Rs.
Mazizini	2,500
do	2,000
Dunga pieces	320
Tundaua	3,000
Chukwani	300
Mianzini	500
Total ...	8,620

Table 18.

Showing Revenue and Expenditure, 1914.

Revenue.

Sub-head		Estimate Rs.	Actual Rs.
Cloves	...	1,09,000	67,000
Coconuts (trees licenced and in hand)	...	72,000	78,745
Rent of Leased Plantations	...	20,156	20,344
Rubber	...	10,000	2,206
Ground rents	...	2,000	3,880
Sundry	...	2,100	3,388
Total	...	2,15,256	1,75,563

Expenditure.

Sub-head		Estimate Rs.	Actual Rs.
Personal Emoluments: Direction and Office	...	38,995	25,831
Personal Emoluments: Government Plantations	...	42,444	32,159
Cultivation: (Bearing Trees)	...	51,000	‡55,433
Cultivation: (Young Trees)	...	5,000	4,170
Clove Gathering and Transport	...	28,500	‡36,309
Cocount Gathering	...	800	336
Rubber collection	...	5,500	4,091
Travelling, Contingencies and Petties	...	5,400	5,065
Upkeep of plantation houses	...	3,800	3,860
Nursery	...	...	1,198
Sundry	...	20,415	7,303
Total	...	2,01,854	1,75,755

‡ Excess met by special warrants.

Table 19.

Receipts and Expenditure of individual Plantations, 1914.

Shamba.	Stock. Cloves. No. Bearing.	Cloves. No. Young.	Coconuts. No. Bearing.	Coconuts. No. Young.	Expenses. Supervision and labour. Rs.	c.	Sundry. Rs.	c.	Total. Rs.	c.	Receipts. Cloves. Rs.	c.	Coconuts. Rs.	c.	Sundry. Rs.	c.	Total. Rs.	c.	Remarks.
Basra ..	10765	4121	1787	1573	7685	30	283	55	7968	85	5659	01	2795	05	17	00	8471	06	
Bet-el-Mal Kubwa ..	246	..	6213	1177	..	..	...	..	..	..	..	..	..	..	2600	00	2600	00	Leased. Rent Rs. 2,600.
Bet-el-Mal Ndogo ..	156	59	298	532	..	..	..	..	..	..	..	..	..	..	343	00	343	00	Leased. Rent Rs. 340.
Bet-el-Ras ..	32	..	4585	5747	2509	01	416	07	2925	08	..	..	8117	75	505	63	8623	38	
Bomani ..	..	..	1149	2478	..	...	..	..	..	..	..	..	..	..	225	00	225	00	Came out of lease on 3-10-14.
Bumbwi Mbuyuni ..	1500	1860	234	859	2666	83	224	62	2891	45	347	67	871	92	23	50	1243	09	Treated as one plantation.
Bumbwi Sudi ..	676	3153	794	1716															
Chuini ..	..	..	1479	4405	411	79	35	42	447	21	..	..	873	00	300	63	1173	63	
Chukwani ..	..	..	6080	17673	5124	71	664	71	5789	42	..	..	4290	00	696	80	4986	80	
Chwaka ..	..	..	314	213	168	19	..	..	168	19	..	..	418	33	15	00	433	33	Rent of leased plot Rs. 15.
Darajani and Market ..	1860	37	1094	1836	..	..	1	31	1	31	..	..	11	84	900	25	912	09	Darajani leased. Rent ,, 900.
Donge and Mwanda ..	2325	54	706	405	128	05	97	18	225	23	206	68	185	00	..	..	391	68	Donge plantation sold.
Dunga ..	3090	1791	3746	6181	7386	31	2205	99	9592	30	1482	53	4250	11	126	79	5859	43	
Gulioni ..	..	..	7	4	..	..	..	..	..	..	..	..	9	44	..	..	9	44	
Kinaoni ..	2233	1969	2744	3383	..	..	..	..	..	..	..	..	..	..	2200	00	2200	00	Leased. Rent Rs. 2,200.
Kinuni Moshi ..	1313	930	272	4330	1733	02	81	95	1814	97	262	15	278	75	232	31	773	21	
Kipange ..	3722	2963	309	1913	2644	03	125	95	2769	98	2160	26	723	60	25	00	2908	86	
Kizimbani Kubwa ..	5595	3746	1700	3785															
Kizimbani Ndogo ..	110	122	726	1159	5498	63	259	92	5758	55	4905	01	4762	99	30	00	9698	00	Treated as one plantation.
Bumbwi Kizimbani ..	2214	1479	437	1913															
Kinuni Mdo ..	880	1000	858	2450	525	53	22	67	548	20	..	..	1407	63	30	00	1437	63	
Kidichi ..	2572	1020	5198	5957	3056	77	95	22	451	99	1431	62	5920	57	1339	94	8692	13	Treated as one plantation.
Kibweni ..	10	..	872	1802															Kibweni leased. Rent Rs. 975.
Kitope ..	6012	7603	1048	14348	3924	63	192	02	4116	65	1159	12	2093	99	133	00	3386	11	Treated as one plantation.
Pangoni and Ngonjoni ..	..	412	995	60															
Kama ..	17	..	926	2173	..	...	..	..	..	..	..	..	..	..	554	50	554	50	Leased. Rent Rs. 425.
Kilimani and Mkuajani ..	..	..	153	525	52	22	2	25	54	47	..	..	364	00	90	00	454	00	Rent of leased plot Rs. 60.
Kisaoni ..	4	..	2700	596	83	89	3	75	87	64	..	..	480	00	680	62	1160	00	Lease expired on 18-7-14.
Kichwele ..	203	..	119	34	67	13	..	..	67	13	104	74	119	27	..	..	224	01	
Kibondo Mzungu ..	1746	..	3121	1514	3343	04	462	13	3805	17	4574	96	3385	73	9	33	7970	02	
Marseilles ..	7374	2575	3945	11147															
Manyami ..	3148	2262	529	1187	14869	80	2779	90	17649	70	9046	66	8543	89	973	00	18563	55	Treated as one plantation.
El-Hathra ..	3052	4345	725	4128															
Kitumba ..	845	431	2398	1146															
Miwani ..	30	2100	1334	7168	582	39	45	50	627	89	..	..	2168	93	5	00	2173	93	Kitumba leased. Rent Rs. 900.
Mlango Kubwa ..	6313	3678	1171	6532	6133	90	764	71	6898	61	5901	93	3001	55	38	00	8941	48	Treated as one plantation.
Mlango Ndogo ..	3936	2689	398	1461															
Mbaleni Kubwa ..	6474	3556	822	2693	3928	43	123	04	4051	47	9078	75	870	52	34	00	9983	27	
Mbaleni Ndogo ..	4289	3189	888	1530	1154	06	57	66	1211	72	616	42	602	19	15	00	1233	61	

Receipts and Expenditure of individual Plantations, 1914.—(*Continued*).

Shamba.	Stock. Cloves. No. Bearing.	Cloves. No. Young.	Coconuts. No. Bearing.	Coconuts. No. Young.	Expenses. Supervision and labour. Rs.	c.	Sundry. Rs.	c.	Total. Rs.	c.	Receipts. Cloves. Rs.	c.	Coconuts. Rs.	c.	Sundry. Rs.	c.	Total. Rs.	c.	Remarks.
Mahonda ..	6020	4848	1325	4610	4177	85	225	7	4402	92	3363	53	915	00	72	00	4350	53	
Mkunguni ..	..	..	1473	5495	..	..	..	..	..	..	..	..	..	..	600	00	600	00	Leased. Rent Rs. 600.
Marhubi ..	222	..	1072	3431	3279	27	106	40	3385	67	216	46	3196	37	627	52	4040	35	Treated as one plantation.
Marhubi Garden ..	..	..	204	1165															
Mianzini ..	..	..	110	717	60	00	7	50	67	50	..	..	252	56	207	51	460	07	
Mtoni ..	106	..	5020	6967	6075	80	887	80	6963	60	355	20	5794	49	528	13	6677	82	
Mwembeladu ..	..	..	1005	3419	..	..	24	74	24	74	..	..	..	..	1749	26	1749	26	Leased. Rent Rs. 700.
Migombani ..	90	..	350	468	641	54	117	38	758	92	..	..	678	76	136	98	815	74	Including Migombani Gardens and Wireless Station.
Mazizini ..	61	..	579	4202	206	98	116	51	413	49	508	54	1586	25	225	80	2320	59	
Mwanakwrekwe ..	89	..	417	481	42	00	50	73	92	73	..	..	615	00	..	..	615	00	Sold in 1914.
Mkanyageni ..	6031	3509	642	1921	2868	23	695	54	3558	77	987	14	896	98	323	00	2207	12	
Mgongowagamia ..	2223	1324	429	1695	1923	43	122	13	2045	56	846	64	421	16	12	00	1279	80	
Mpapa ..	45	211	3467	6258	..	..	..	..	..	..	..	..	..	..	2075	00	2075	00	Leased. Rent Rs. 2,000.
Mangapwani ..	..	..	403	4	162	26	..	..	162	26	..	..	..	..	687	50	687	50	
Mkokotoni ..	..	..	605	886	475	69	..	..	475	69	..	..	..	..	1103	24	1103	24	
Mpaka Dutch ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	00	10	00	Leased.
Mwera Bridge and Kidogobasi	4	..	83	27	..	..	..	..	..	..	..	..	..	..	130	00	130	00	Leased.
Nyanjalle ..	164	..	1309	3201	..	..	..	..	..	..	..	..	..	..	754	00	754	00	Leased. Rent Rs. 675
Nyamgombe ..	10	..	724	260	..	..	13	28	13	28	..	..	1205	62	50	00	1255	62	
Selem ..	10756	6084	4137	13675	7731	09	2585	73	10316	82	3432	25	5870	71	154	00	9456	98	
Sebleni ..	..	..	225	5262	114	51	23	72	168	26	..	..	475	41	128	90	604	31	Leased. Rent Rs. 30.
Saateni ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	586	71	586	71	
Welezo and Chumbuni ..	114	15	645	579	77	42	2	52	79	94	..	..	140	00	..	..	140	00	
Ziwani ..	276	350	1021	14	126	64	45	57	172	21	..	..	420	85	106	00	526	85	

Table 20.

Expenditure on Cultivation for the past 13 years.

Year	Bearing cloves acres	Young cloves acres	Total clove area acres	Bearing coconuts acres	Young coconuts acres	Total coconut area acres	Total area under trees acres	Cultivation estimate bearing trees Rs.	Cultivation estimate young trees Rs.	Total estimate Rs.	Equa to per acre Rs.
1903	1130	..	1130	1305	625	2030	3160	6000	..	6000	1.9
1904	1130	140	1270	1305	1112	3142	4412	5000	..	5000	1.6
1905	1130	325	1595	1305	910	4052	5647	13000	..	13000	2.3
1906	1130	499	2094	1305	1155	5202	7296	13000	..	13000	1.7
1907	1130	346	2440	1305	1218	6420	8860†	18000	..	18000	2.2
1908	1130	712	3 52	1305	493	6913	10065†	105000	12000	117000	12.3
1909	1130	526	3678	1305	489	7402	11080††	83000	63 0	94300	10.8
1910	1130	..	3678	1305	1458	8860	12538‡	53000	11600	64600	5.8
1911	1130	..	3678	1305	100	8960	12338‡	50000	6000	56000	5.0
1912	1130	..	3678	1305	150	9110	12788‡	47000†††	5000	52000	4.6
1913	1130	..	3678	1305	350	9460	13138‡	53000	10000	63000	5.4
1914	1130	..	3678	..	..	9460	13138‡	48000	5000	53000	4.5
1915	1130	..	3678	..	..	9610	13138*	52500	7500	60000	5.1

† 578 acres leased in 1906.

†† 2370 acres leased in 1909.

‡ 1526 acres remaining in lease (1422 acres recovered by forfeiture).

††† Rs. 11,000 granted by Special Warrants in addition, bringing the total up to Rs. 63,000, or an allowance of Rs. 5·6 per acre.

* 140 acres came out of lease in 1914.

Table 21.

Table showing clove-yields from principal plantations from Seasons 1907/08 to 1913/14 (to the end of June 1915).

Shamba.	1907/08 No. of bearing trees	Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves	1908/09 Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves	1909/10 Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves	1910/1911 Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	934	142	2·77	15.20	3146	588	3.62	18.69	563	77	1.65	13.67	202	33	.60	16.33
Basra ..	10765	886	155	3·38	17·49	973	162	3·69	16·64	573	63	2·06	10·99	71	15	·27	21·12
Dunga ..	3090	467	75	6·10	16·06	545	77	7·04	14·12	204	40	2·76	19·60	23	5	·31	21·73
Mahonda ..	6020	84	15	·57	17·86	454	84	3·12	18·50	800	110	5·29	13·75	145	22	·97	15·17
Mkanyageni ..	6060	708	77	4·53	10·87	661	54	4·12	8·16	570	90	3·81	15·78	258	23	1·62	8·91
Mbaleni Kubwa ..	6474	147	30	·96	20·40	455	67	2·87	14·40	444	60	2·72	13·51	127	20	·79	15·74
Mbaleni Ndogo ..	4443	302	38	2·67	12·58	631	107	5·81	16·95	255	33	2 26	12·94	99	17	·91	17·17
Kitope ..	6899	230	38	1·35	16·52	1275	217	7·56	17·01	198	32	1·16	16·16	206	34	1·21	16·15
Kipange ..	3722	332	17	3·28	5·12	568	104	6·31	18·30	99	18	1·10	18·18	39	7	·43	17·94
Mlango Kubwa and Ndogo..	10249	1061	197	4·29	18·56	859	92	3·24	10·71	667	87	2·57	13·04	303	32	1·14	10·55
Fufuni ..	10593	1300	210	4·99	16·15	2247	438	8·87	19·49	263	55	3·03	20·91	375	55	1·42	14·66

Shamba.	1911/12 No. of bearing trees	Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves	1912/13 Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves	1913/14 Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves	1914/15 Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	3017	440	8·91	14·58	103	18	·31	17·47	2822	537	8·66	19·02	1998	386	6·14	19.31
Basra ..	10765	1857	224	6·26	12·06	51	7	·18	13·72	1046	253	4 22	24·18	2175	494	8·67	22·71
Dunga ..	3090	1055	145	13·59	13 74	44	9	·60	20·45	968	168	12·86	17·35	177	40	2·45	22·59
Mahonda ..	6020	850	112	5·59	13·17	31	6	·21	19·35	454	108	3·26	23·78	992	145	6·61	14·62
Mkanyageni ..	6060	891	94	5·68	10·54	77	14	·52	18·18	922	211	6·54	22·88	1041	196	7·14	18·82
Mbaleni Kubwa ..	6474	1202	167	7·40	13 89	38	5	·23	13·16	982	170	6 03	17·31	182	20	1·09	11·00
Mbaleni Ndogo ..	4443	797	103	7·08	12·92	14	2	·12	14·22	243	53	2·33	21·81	156	30	1·46	19·23
Kiotpe ..	6899	1026	154	5·98	15 00	16	3	·09	20·00	459	91	2·79	19·82	755	140	4·54	18·54
Kipange ..	3272	570	95	6·25	16·66	17	3	·18	17·64	202	31	2·19	15 34	486	118	5·68	24·28
Mlango Kubwa and Ndogo..	10249	1116	212	4·63	18·99	76	8	·28	10·53	743	145	3 03	19·51	1550	256	6·16	16·47
Fufuni ..	10593	1992	474	8·14	23·79	115	20	·44	17·38	3057	627	12 17	20 51	7	1½	0·03	21·43

Table 22.

Clove Crops from Government Plantations.

Year.	Zanzibar.	Pemba.	Total.	Season.	Total crop.	Percentage of Govt. to whole.
1899	...	...	12433	...	...	...
1900	...	...	2632	...	...	...
1901	...	...	2993	...	...	...
1902	...	...	...	1902-03	12942	3·02
1903	10596	2106	12702	1903-04	1872	8·41
1904	756	5039	5795	1904-05	7986	1·05
1905	3288	1335	4623	1905-06	12869	4·41
1906	12002	3403	15406	1906-07	4612	1·77
1907	7680	4528	12308	1907-08	12071	1·59
1908	57	1581	1638	1908-09	18743	4·61
1909	15323	4745	20058	1909-10	11073	2·82
1910	3468	1182	4650	1910-11	2155	1·12
1911	4775	3857	8632	1911-12	21461	2·80
1912	10983	1268	12251	1912-13	1679	1·24
1913	10429	4473	14866	1913-14	15018	2·06
1914	5444	985	6429	1914-15	16884	3·21

Table 23.

Table showing the Rents for licencing coconuts: from 1910 to 1915 inclusive.

Shamba.	No. of coconut trees: stock of 1910.	Licence Rent						Average gross receipts previous to licencing: 1907 to 1909 inclusive.	1915 decrease % over 1914 owing to war.	Average No. of nuts picked p. a. in 3 years previous to licencing.
		1910	1911	1912	1913	1914	1915			
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
Basra ...	1787	1,200	1,550	2,000	2,600	2,950	2,100	1,047	28·81	34200
Bet-el-ras ...	4585	In lease			6,800	7,800	6,510	2,742	16·53	86300
Bomani ...	1149	In lease			In lease	In lease	1,070	leased in 1909	leased in 1914	leased in 1909
Bumbwi Kizimbani ...	437	290	310	350	325	580	350	217	39·65	...
Bumbwi Sudi ...	1080	600	660	700	850	875	600	379	31·42	...
Chukwani ...	6080	...	3,260	4,050	4,000	4,125	4,500	1,980	Increase	75300
Chuini (Kib. Mzungu) ...	1479		In lease		1,110	1,220	1,160	453	4·91	...
Donge ...	299		In lease		300	370	Sold in 1914	130	Sold in 1914	...
Dunga ...	3746	‡	1,800	1,600	3,000	4,525	4,220	846	6·74	27876
El-Hathra ...	725	616	675	890	1,050	1,210	1,070	460	11·57	...
Gulioni ...	7	Private property		‡	10	12	17	Private property	Increase	...
Kibonde Mzungu ...	3121	leased	2,200	2,400	2,740	3,780	2,600	leased	31·21	...
Kichwele ...	119	‡	‡	‡	...	125	50	55	60·00	...
Kidichi ...	5198	leased	5,850	6,400	6,450	8,950	6,000	2,933	32·96	...
Kilimani ...	120	In lease			335	400	330	leased	17·50	...
Kinuni Mdo ...	858	leased	800	900	1,290	1,635	1,225	228	25·07	...
Kinuni Moshi ...	272	80	100	116	140	270	255	62	5·55	...
Kipange ...	399	500	500	600	670	1,000	520	332	48·00	...
Kisaoni ...	2700	In lease		In lease	Inlease	Inlease	3,805	leased	leased in 1914	...
Kitope ...	1048	leased	1,260	1,260	1,070	1,690	1,020	987	39·64	...
Kizimbani Kubwa ...	1709	1,450	1,600	1,850	2,020	3,360	2,375	1,041	29·31	...
Kizimbani Ndogo ...	726	leased	710	1,224	1,360	1,600	1,115	leased	30·31	...
Mahonda ...	1335	1,000	1,000	1,000	1,020	2,375	1,300	591	45·26	...
Manyani ...	529	410	440	560	565	800	620	264	22·50	...
Market ...	...	‡	‡	‡	13	29	13	with Collectorate	55·17	...
Marhubi Inside ...	125	...	...	230	375	490	310	with H. H.	36·73	...
Marhubi Outside ...	1972	In lease		2,000	2,740	3,200	2,550	1,592	20·31	41800
Marseilles ...	3945	3,285	3,350	4,394	4,810	6,915	5,709	2,027	17·57	76400
Mazizini ...	671		leased		1,455	2,115	2,025	926	4·25	...
Mbaleni Kubwa ...	822		930	930	975	1,600	1,080	407	32·50	...
Mbaleni Ndogo ...	890	1,020	1,025	1,090	530	925	680	750	26·48	...
Mgongowagamia ...	429	220	250	255	295	430	370	101	13·95	...
Mianzini ...	110		180	210	260	385	310	144	19·48	...
Migombani ...	350		leased		430	465	475	33	Increase	...
Migombani Gardens ...	5	...	...	...	12	14	6	In lease	57·14	...
Miwani ...	1334	In lease		1,940	1,850	2,675	1,850	966	30·84	...
Mkanyageni ...	642	640	650	650	650	1,125	810	438	28·00	...
Mlango Kubwa ...	1171	1,100	1,200	1,800	1,800	2,250	1,275	761	43·33	...
Mlango Ndogo ...	398	300	400	415	450	850	505	218	40·38	...
Mtoni ...	5020	3,700	4,225	4,700	4,710	7,775	6,010	3707	22·70	110250
Mwanakwrekwe ...	417	...	350	475	560	1,230	Sold	In lease	Sold	...
Nyamgombe ...	724	In lease		600	730	1,790	1,370	In lease	23·46	...
Pangeni and Ngonjoni ...	763	550	550	560	670	750	550	was included in Kitope	26·66	
Pigaduli ...	...	...	...	...	...	...	14			
Sebleni ...	225		170	170	1305	970	250	187	74·22	...
Selem ...	4355	4,980	5,000	5,600	5,650	7,425	6,376	3486	14·12	...
Welezo and Chumbuni ...	645	...	200	224	203	225	115	158	48·88	...
Wireless Station ...	...	Included in Migombani			...	205	150	Included in Migombani	26·82	...

‡ Nuts were picked by the Government.

Table 24.

Leased Plantations.

No.	Name of plantation.	Name of Lessee.	Date of lease.	Term.	Date of expiry.	Rent p. a. Rs.
1.	Bet-el-mali-kubwa	G. B. Ennis ...	1 6 06	25 years	31 5 31	2,600
2.	Bet-el-mali-ndogo	Hakam Kariksing ...	23 9 09	13 ,,	22 9 22	340
3.	Chwaka Verein	L. Wagner ...	1 4 01	50 ,,	31 3 51	15
4.	Darajani	Hamed b. Mohamed ...	17 7 06	10 ,,	16 7 16	900
5.	Kama	Salim bin Khamis ...	4 10 09	10 ,,	3 10 19	425
6.	Kibweni (part of Kidichi 1)	Seif bin Said ...	10 7 06	50 ,,	9 7 56	250
7.	,, (part of Kidichi 2)	Said bin Hamed ...	27 9 09	6 ,,	26 9 15	725
8.	Kitumba	Hilal bin Salim ...	22 10 09	13 ,,	21 10 22	900
9.	Mwembeladu	Mfaume b. Kanga and Juma bin Hatibu ...	21 9 09	13 ,,	20 9 22	700
10.	Mkunguni	Mohamed bin Miraj ...	21 9 09	13 ,,	20 9 22	600
11.	Mpapa	Kasam Devji and Hamed b. Masud ...	22 9 09	13 ,,	21 9 22	2,000
12.	Mpaka Dutch	Juma Thanu ...	31 12 09	6 ,,	30 12 15	10
13.	Nyanjalle	Salim bin Khamis ...	4 10 09	10 ,,	3 10 19	675
14.	Sebleni	Abdul Hoosein Pishori	15 4 10	10 ,,	14 4 20	30
15.	Kinaoni	Kasam Devji ...	20 8 09	13 ,,	19 8 22	2,200
16.	Mwera Bridge	Mwalim Suleman bin Mbaruk ...	1 1 15	1 ,,	31 12 15	70
17.	Kidogobassi	Mwalim Suleman bin Mbaruk ...	1 1 15	1 ,,	31 12 15	60
18.	Kilimani	Khushal Narshi ...	1 1 13	3 ,,	31 12 15	60
19.	Tundaua (Pemba)	Abdullah Devji ...	19 4 10	8 ,,	18 4 18	5,125
		Total ...				17,685

Table 25.

Fires on Government Plantations.
Table of trees destroyed.

1912.		1913.	
Bearing clove-trees ...	22	Bearing coconut trees ...	142
Unbearing clove-trees ...	4	Unbearing coconut trees ...	90
Bearing coconut trees ...	37	Mango trees ...	2
Unbearing coconut trees ...	244	Ornamental trees ...	2
		Palm trees ...	27

1914.

Bearing clove-trees	5
Bearing coconut trees ...	3
Unbearing coconut trees ...	263
Mango trees ...	8

Table 26.

Public Gardens Department.

Expenditure.

Sub-head.	1912 Rs. cts.	1913 Rs. cts.	1914 Rs. cts.
Personal Emoluments	1,275 90	1,723 03	2,363 32
Garden Requisites and Seeds	835 91	748 64	358 89
Contingencies and Petties	405 10	406 10	268 29
Clothing for Garden-keepers	... ...	... ...	2 12
Upkeep of Town and Road-side Planting and of Mnazi Moja	† 8,400 76	† 4,129 46	3,857 83
Passages	... ...	... ...	137 00
Total Rs. ...	10,917 67	7,027 03	6,987 45

† Excess met by Special Warrants.

Revenue.

	1912 Rs. cts.	1913 Rs. cts.	1914 Rs. cts.
From all Sources ...	† 1,010 00	† 1,351 00	‡ 443 31

As the revenue is paid in as Miscellaneous Revenue, there is no estimate for it.
† Inclusive of pine apples and Bombay mangoes.
‡ Exclusive of pine apples and Bombay mangoes.